





SARGASSUM OUTBREAKS IN THE **CARIBBEAN**

What is Sargassum?

There are many different kinds of sargassum. However, there are only two species (Sargassum Fluitans and Sargassum Natans) which are solely pelagic and spend their entire life cycle floating freely at the surface of the Atlantic ocean





The Caribbean region is seeing sargassum more frequently due to a new source area stretching right across the equator between West Africa and Brazil also known as the Great Atlantic Sargassum Belt, Additionally, sargassum grows faster due to more nutrients (pollution from logging, fertilizer and urbanization) as well as increases in

Impacts on the Fisheries Sector

Significant Challenges at Landing Sites

- Boat access becomes
- very difficult.
- Boats become hard to maneuver



Fishing Disruptions

- Fewer days at sea, resulting in Fish behaviour changes as a
- result of sargassum influx.
- Target species changes.

Significant Challenges at Sea

- Fishing gear becomes ineffective or
- Engines begin to overheat due to blocked openings.
- Loss of speed and steerage because of fouled propellers and rudders.



The Potential Uses of Sargassum

Sargassum has been a plague to the region's maritime activities, however, it still holds the potential to offer revenue earning opportunities for coastal communities harvesting sargassum and applying varying levels of processing could also see the once pest transformed into an input for various final goods. Some opportunities for

- sargassum use are as follows:
- Biofuel
- Agriculture Fertilizers
- Animal & Fish Feed
- **Personalized Hair Care Products**
- Building Materials



algas ORGANIC

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The Impacts of Sargassum



Tourism water sports, and ultimately rots. Removal activity can be



Fisheries It affects boat ccess gears and



Health

eggs and posing health

Environment It chokes and smoth coral reefs and kills wildlife such as turt



Maritime Shipping



Finances

Loss of earnings in the tourism sector, the fisheries sector, costs incurred through clea

Impacts on Fish Catches



Sargassum has affected fish catches in both Dolphinfish and flying fish with a 37% & 52% decrease in landings respectively.

Socio-Economic Challenges

- Market changes (higher prices, new species, changing seasons)
- · Loss of earnings in harvest and post-harvest sectors.
- Profits become lower as maintenance and fuel costs increase while catch quantity decreases.



What is the role of CC4Fish?

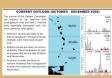
CC4Fish has played a supporting technical role by developing the following:

- · A prediction model for sargassum
- · A quarterly sargassum outlook bulletin
- · A study on the impacts of sargassum on key fish species
- The Best Practices Guide for
- fisherfolk coping with Sargassum



Sargassum Management Plans





SARGASSUM













